



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/616,241A
Source: JFW
Date Processed by STIC: 11/26/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to (EFFECTIVE 12/01/03):**
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/6/6,241A</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 ___ Wrapped Nucleics ___ Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 ___ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 ___ Misaligned Amino ___ Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 ___ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 ___ Variable Length	Sequence(s) ___ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 ___ PatentIn 2.0 ___ "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 ___ Skipped Sequences ___ (OLD RULES)	Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 ___ Skipped Sequences ___ (NEW RULES)	Sequence(s) ___ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 ___ Use of n's or Xaa's ___ (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 ___ Invalid <213> ___ Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 ___ Use of <220>	Sequence(s) ___ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 ___ PatentIn 2.0 ___ "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 ___ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



II

RAW SEQUENCE LISTING

DATE: 11/26/2003

PATENT APPLICATION: US/10/616,241A

TIME: 10:42:25

Input Set : A:\ISIC0009-100.txt

Output Set: N:\CRF4\11262003\J616241A.raw

3 <110> APPLICANT: Manoharan, Muthiah
 4 Griffey, Richard H.
 5 Baker, Brenda
 7 <120> TITLE OF INVENTION: Conjugated Oligomeric Compounds and Their Use in Gene
 8 Modulation
 10 <130> FILE REFERENCE: ISIC-0009-100
 > 12 <140> CURRENT APPLICATION NUMBER: US/10/616,241A
 > 12 <141> CURRENT FILING DATE: 2003-07-09
 12 <160> NUMBER OF SEQ ID NOS: 26
 14 <170> SOFTWARE: PatentIn version 3.2
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 16
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Artificial Sequence
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Peptide
 24 <400> SEQUENCE: 1
 26 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
 27 1 5 10 15
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 13
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Artificial Sequence
 36 <220> FEATURE:
 37 <223> OTHER INFORMATION: Peptide
 39 <400> SEQUENCE: 2
 41 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln
 42 1 5 10
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 27
 47 <212> TYPE: PRT
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Peptide
 53 <400> SEQUENCE: 3
 55 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Ile Asn Leu
 56 1 5 10 15
 58 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
 59 20 25
 62 <210> SEQ ID NO: 4
 63 <211> LENGTH: 34
 64 <212> TYPE: PRT
 65 <213> ORGANISM: Artificial Sequence

pp 1-4

Does Not Comply

Glossary - No Nucleotide

insufficient response - see item 11 on Enov

Summary
Sheet(give source of
genetic
material)

OK

RAW SEQUENCE LISTING

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TIME: 10:42:25

Input Set : A:\ISIC0009-100.txt

Output Set: N:\CRF4\11262003\J616241A.raw

67 <220> FEATURE:
68 <223> OTHER INFORMATION: Peptide - HSV VP22
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73 1 5 10 15
75 Glu Arg Pro Arg Ala Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro
76 20 25 30
78 Val Glu
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 18
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Peptide
89 <400> SEQUENCE: 5
91 Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
92 1 5 10 15
94 Leu Ala
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 27
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Peptide
105 <400> SEQUENCE: 6
107 Gly Ala Leu Phe Leu Gly Trp Leu Gly Ala Ala Gly Ser Thr Met Gly
108 1 5 10 15
110 Ala Trp Ser Gln Pro Lys Lys Lys Arg Lys Val
111 20 25
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 16
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Peptide
122 <400> SEQUENCE: 7
124 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
125 1 5 10 15
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 7
130 <212> TYPE: PRT
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Peptide
136 <400> SEQUENCE: 8
138 Pro Lys Lys Lys Arg Lys Val
139 1 5
142 <210> SEQ ID NO: 9
143 <211> LENGTH: 4

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Input Set : A:\ISIC0009-100.txt

Output Set: N:\CRF4\11262003\J616241A.raw

144 <212> TYPE: PRT
 145 <213> ORGANISM: Artificial Sequence
 147 <220> FEATURE:
 148 <223> OTHER INFORMATION: Peptide
 150 <400> SEQUENCE: 9
 152 Met Leu Phe Tyr
 153 1
 156 <210> SEQ ID NO: 10
 157 <211> LENGTH: 15
 158 <212> TYPE: PRT
 159 <213> ORGANISM: Artificial Sequence
 161 <220> FEATURE:
 162 <223> OTHER INFORMATION: Peptide - EXR2P
 164 <400> SEQUENCE: 10
 166 Pro Gln Arg Arg Asn Arg Ser Arg Arg Arg Phe Arg Gly Gln
 167 1 5 10 15
 170 <210> SEQ ID NO: 11
 171 <211> LENGTH: 7
 172 <212> TYPE: PRT
 173 <213> ORGANISM: Artificial Sequence
 175 <220> FEATURE:
 176 <223> OTHER INFORMATION: Peptide
 178 <400> SEQUENCE: 11
 180 Ile Met Arg Arg Arg Gly Leu
 181 1 5
 184 <210> SEQ ID NO: 12
 185 <211> LENGTH: 11
 186 <212> TYPE: PRT
 187 <213> ORGANISM: Artificial Sequence
 189 <220> FEATURE:
 190 <223> OTHER INFORMATION: Peptide
 192 <400> SEQUENCE: 12
 194 Leu Gln Leu Pro Pro Leu Glu Arg Leu Thr Leu
 195 1 5 10
 198 <210> SEQ ID NO: 13
 199 <211> LENGTH: 11
 200 <212> TYPE: PRT
 201 <213> ORGANISM: Artificial Sequence
 203 <220> FEATURE:
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 206 <400> SEQUENCE: 13
 208 Glu Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile
 209 1 5 10
 212 <210> SEQ ID NO: 14
 213 <211> LENGTH: 11
 214 <212> TYPE: PRT
 215 <213> ORGANISM: Artificial Sequence
 217 <220> FEATURE:
 218 <223> OTHER INFORMATION: Peptide

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Input Set : A:\ISIC0009-100.txt

Output Set: N:\CRF4\11262003\J616241A.raw

220 <400> SEQUENCE: 14
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 223 1 5 10
 226 <210> SEQ ID NO: 15
 227 <211> LENGTH: 12
 228 <212> TYPE: PRT
 229 <213> ORGANISM: Artificial Sequence
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: Peptide
 234 <400> SEQUENCE: 15
 236 Ala Leu Pro His Ala Ile Met Arg Leu Asp Leu Ala
 237 1 5 10
 240 <210> SEQ ID NO: 16
 241 <211> LENGTH: 7
 242 <212> TYPE: PRT
 243 <213> ORGANISM: Artificial Sequence
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 246 <223> OTHER INFORMATION: Peptide
 248 <400> SEQUENCE: 16
 250 Pro Lys Lys Lys Arg Lys Val
 251 1 5
 254 <210> SEQ ID NO: 17
 255 <211> LENGTH: 13
 256 <212> TYPE: PRT
 257 <213> ORGANISM: Artificial Sequence
 259 <220> FEATURE:
 260 <223> OTHER INFORMATION: Peptide
 262 <400> SEQUENCE: 17
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 265 1 5 10
 268 <210> SEQ ID NO: 18
 269 <211> LENGTH: 4
 270 <212> TYPE: PRT
 271 <213> ORGANISM: Artificial Sequence
 273 <220> FEATURE:
 274 <223> OTHER INFORMATION: Peptide
 276 <400> SEQUENCE: 18
 278 Lys Asp Glu Leu
 279 1
 281 <210> SEQ ID NO: 19
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 283 <212> TYPE: DNA
 284 <213> ORGANISM: Artificial Sequence
 286 <220> FEATURE:
 287 <223> OTHER INFORMATION: oligonucleotide
 289 <400> SEQUENCE: 19
 290 cgagaggcgg acgggaccgt t
 293 <210> SEQ ID NO: 20
 294 <211> LENGTH: 21

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RAW SEQUENCE LISTING

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Input Set : A:\ISIC0009-100.txt

Output Set: N:\CRF4\11262003\J616241A.raw

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295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: oligonucleotide
301 <400> SEQUENCE: 20
302 ttgctctccg ccgcccctgg c 21
305 <210> SEQ ID NO: 21
306 <211> LENGTH: 21
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: oligonucleotide - cRaf targeter
313 <400> SEQUENCE: 21
314 augcauguca caggcgggat t 21
317 <210> SEQ ID NO: 22
318 <211> LENGTH: 21
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: oligonucleotide - cRaf targeter
325 <400> SEQUENCE: 22
326 ucccgcgcugu gacaugcaut t 21
329 <210> SEQ ID NO: 23
330 <211> LENGTH: 18
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: antisense oligonucleotide
337 <400> SEQUENCE: 23
338 tgggagccat agcgaggc 18
341 <210> SEQ ID NO: 24
342 <211> LENGTH: 20
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: oligonucleotide
349 <400> SEQUENCE: 24
350 tccgtcatcg ctcttcaggg 20
353 <210> SEQ ID NO: 25
354 <211> LENGTH: 20
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: oligonucleotide
361 <400> SEQUENCE: 25
362 gtgcgcgcga gcccgaaatc 20
365 <210> SEQ ID NO: 26
366 <211> LENGTH: 20
367 <212> TYPE: DNA

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VERIFICATION SUMMARY

DATE: 11/26/2003

PATENT APPLICATION: US/10/616,241A

TIME: 10:42:26

Input Set : A:\ISIC0009-100.txt

Output Set: N:\CRF4\11262003\J616241A.raw

2 M:270 C: Current Application Number differs, Replaced Current Application No

2 M:271 C: Current Filing Date differs, Replaced Current Filing Date